

Phoenix One

Reverse Osmosis Systems for Life Science Solutions



- High quality product water
- High operational reliability
- Cost-saving and economical RO water purification
- Computer controlled
- Simple installation and easy servicing
- CE label and medical device approval
- Excellent price-performance ratio

Hygiene	Phoenix One
Economy	Safety

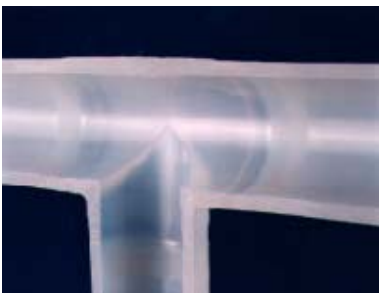
Phoenix One

Standard Features

- **Computer controlled**
 - Operation by key pad and backlit LCD-Display
 - Timer function
 - Selectable operation language
 - Easy setup and software upgrade by Laptop
 - Automatic storage of relevant operating data
- **Top quality piping**
 - Polypropylene natural (PP-n)
 - Surface quality Ra < 0.8 µm
 - No corrosion problems, easy cleaning and sanitising
 - Excellent resistance to chemicals and disinfectants
 - Material conformity with the FDA and USP Class VI
- **Low energy thin film polyamide membranes**
- **Auto flush system**
- **Water saving technology**
- **Manually operated emergency mode in the event of control failure**
- **Continuous electronic monitoring**
 - Permeate conductivity,
 - Permeate temperature
 - Permeate pressure
- **Audio visual-alarms**
 - Permeate conductivity, excess pressure, excess temperature
 - Automatic shutdown when water flow is interrupted
- **Stainless steel frame**

Optional Features

- **BCF® Bead and Crevice Free fusion technology**
 - Excellent surface quality in the fusion zone
 - Highly automated and software-controlled process
 - Approved by the FDA



Smooth internal fusion zone for excellent cleaning and inhospiatality to microbiological attachment.
(picture Georg Fischer AG)

Technical Data

- **Operating Parameters**
 - Permeate Capacity: 0,4 - 2,4 m³/h (15°C raw water input)
 - Maximum Recovery: 75% standard water saving technology
up to 85% intelligent water saving technology
 - Salt rejection: 99,3%
 - Temperatures: 10 - 35°C operating
1 - 40°C shipping and storage
- **Dimensions and Weight**
 - Dimensions (WxDxH): 1330 x 800 x 1750 mm
 - Weight unit: 210 kg¹ (maximum membranes)
 - Weight in operation: 260 kg¹ (maximum membranes)
 - ¹ Phoenix One with second booster pump plus 50 kg
- **Power Supply**
 - Mains voltage: 400 V, 3-phase, 50 Hz ²
 - Power rating: 3,5 kW
 - Fuse: 16 A-K
 - ² Standard power supply, other voltages or frequencies on request
- **Raw Water Supply**
 - Temperature: 5 - 25 °C
 - Quality: Hardness < 1°dH (0,18 mmol/l)
 - Silica < 25 ppm (mg/l)
 - Chlorine < 0,1 ppm (mg/l)
 - Iron < 0,1 ppm (mg/l)
 - Fouling Index (S.D.I.) < 3

Drinking water should be used. Pre-treatment equipment available for all water qualities.

- **Intelligent water saving technology against permeate consumption**
- **Electronic Upgrade**
 - Electronic monitoring of pump pressure, concentrate flow, permeate flow and permeate back flow
 - Modem for data transfer and online servicing
- **Second back-up booster pump**
- **Remote control**
- **Expandable to Phoenix One+ with fully automatic heat sanitisation system**